

us-09-515-806a-1.rni

Thu Jun 12 14:34:03 2003

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OM nucleic - nucleic search, using sw model

Run on: June 12, 2003, 00:37:34 ; Search time 282 Seconds  
(without alignments)  
6008.472 Million cell updates/sec

Title: US-09-515-806A-1  
Perfect score: 5525  
Sequence: 1 tcgcccacggtccgcacc.....aatgctttcatactgca 5525

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381 residues 882724  
Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents NA:\*  
1: /cgn2\_6/ptodata/2/ina/5A COMB.seq:\*  
2: /cgn2\_6/ptodata/2/ina/5B COMB.seq:\*  
3: /cgn2\_6/ptodata/2/ina/6A COMB.seq:\*  
4: /cgn2\_6/ptodata/2/ina/6B COMB.seq:\*  
5: /cgn2\_6/ptodata/2/ina/PCTUS COMB.seq:\*  
6: /cgn2\_6/ptodata/2/ina/backfile1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
C 1	187.6	3.4	81001	4	US-09-750-580-1
C 2	185.6	3.4	15297	4	US-09-817-180-3
C 3	185.6	3.4	176373	3	US-09-128-155-17
C 4	179	3.2	59065	4	US-09-813-817-3
C 5	179	3.2	59065	4	US-09-978-197-3
C 6	177.6	3.2	3166	4	US-09-341-587-8
C 7	176.8	3.2	81001	4	US-09-750-580-1
C 8	176.2	3.2	6769	1	US-08-480-784-20
C 9	176.2	3.2	6769	1	US-08-483-553-20
C 10	176.2	3.2	6769	1	US-08-487-002-20
C 11	176.2	3.2	6769	1	US-08-488-011B-20
C 12	176.2	3.2	6769	1	US-08-850-727-20
C 13	176.2	3.2	6769	4	US-09-128-155-17
C 14	176.2	3.2	6769	5	PCT-US95-10203-20
C 15	176.2	3.2	6769	5	PCT-US95-10203-20
C 16	176.2	3.2	6769	5	PCT-US95-10220-20
C 17	175.4	3.2	9365	4	US-09-608-285A-8
C 18	175.4	3.2	9365	4	US-09-350-368B-8
C 19	175.4	3.2	9365	4	US-09-370-265-8
C 20	175.4	3.2	14747	4	US-09-608-285A-42
C 21	175.4	3.2	15977	4	US-09-608-285A-59
C 22	175.4	3.2	72928	3	US-09-009-913-1
C 23	175	3.2	35060	3	US-08-814-095-7
C 24	174.8	3.2	14581	4	US-08-520-373D-4
C 25	174.8	3.2	22481	4	US-08-367-841A-43
C 26	174.8	3.2	22481	5	PCT-US95-07201-43
C 27	174.8	3.2	22484	4	US-09-875-223-2

28	174.8	3.2	84495	4	US-09-797-906-3
29	174.2	3.2	45546	4	US-09-146-053-6
C 30	174	3.1	99500	4	US-09-798-096-10
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C 32	173.6	3.1	246240	2	US-08-724-394A-21
C 33	173.6	3.1	246240	2	US-08-724-394A-22
C 34	173	3.1	98844	4	US-09-791-211-10
C 35	172.8	3.1	1288	1	US-08-047-041A-24
C 36	172.8	3.1	1288	4	US-09-417-278A-11
C 37	172.8	3.1	1316	2	US-08-047-041A-11
C 38	172.8	3.1	1316	2	US-08-795-006A-31
C 39	172.8	3.1	1316	4	US-03-184-073-31
C 40	172.8	3.1	162450	4	US-09-345-882-1
C 41	172	3.1	246240	2	US-08-724-394A-20
C 42	172	3.1	246240	2	US-08-724-394A-21
C 43	172	3.1	246240	2	US-08-724-394A-22
C 44	171.4	3.1	1326	4	US-09-117-250-4
C 45	171.2	3.1	19736	4	US-09-740-035-3

ALIGNMENTS

RESULT 1  
US-09-750-580-1/c  
Sequence 1, Application US/09750580  
Patent No. 6455280

GENERAL INFORMATION:  
APPLICANT: Yen, Frances  
APPLICANT: Denison, Blake  
APPLICANT: Bour, Barbara  
APPLICANT: Bihain, Bernard  
APPLICANT: Dumas Milne Edwards, Jean-Baptiste  
APPLICANT: Duclert, Aymeric  
APPLICANT: Bougueleret, Lydie  
APPLICANT: Ebbets-Reed, Dana  
APPLICANT: Salter-Cid, Luisa  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING NEOPLASTIC CELL GROWTH  
FILE REFERENCE: 89 US2.CIP  
CURRENT APPLICATION NUMBER: US/09/750,580  
CURRENT FILING DATE: 2000-12-28  
PRIOR APPLICATION NUMBER: US 09/599,362  
PRIOR FILING DATE: 2000-06-21  
PRIOR APPLICATION NUMBER: PCT/IB00/0101  
PRIOR FILING DATE: 2000-06-21  
PRIOR APPLICATION NUMBER: PCT/IB99/02058  
PRIOR FILING DATE: 1999-12-20  
PRIOR APPLICATION NUMBER: US 49/469/099  
PRIOR FILING DATE: 1999-12-21  
PRIOR APPLICATION NUMBER: US 60/113,686  
PRIOR FILING DATE: 1998-12-22  
PRIOR APPLICATION NUMBER: US 60/141,032  
PRIOR FILING DATE: 1999-06-25  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: Patent.pm  
SEQ ID NO 1  
LENGTH: 81001  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: 10945..12946  
OTHER INFORMATION: 5' regulatory region  
NAME/KEY: exon  
LOCATION: 12947..12958  
OTHER INFORMATION: exon 1  
NAME/KEY: exon  
LOCATION: 13470..13526  
OTHER INFORMATION: exon 2  
NAME/KEY: exon  
LOCATION: 13641..13752  
OTHER INFORMATION: exon 3  
NAME/KEY: exon  
Sequence 3, Appli  
Sequence 6, Appli  
Sequence 10, Appli  
Sequence 20, Appli  
Sequence 21, Appli  
Sequence 22, Appli  
Sequence 10, Appli  
Sequence 24, Appli  
Sequence 1, Appli  
Sequence 11, Appli  
Sequence 31, Appli  
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Sequence 20, Appli  
Sequence 22, Appli  
Sequence 4, Appli  
Sequence 3, Appli

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; LOCATION: 14271..15968
; OTHER INFORMATION: exon 4
; NAME/KEY: misc feature
; LOCATION: 15969..17969
; OTHER INFORMATION: 3'regulatory region
; NAME/KEY: allele
; LOCATION: 1239
; OTHER INFORMATION: 20-828-311 : polymorphic base C or T
; NAME/KEY: allele
; LOCATION: 12347
; OTHER INFORMATION: 17-42-319 : polymorphic base C or T
; NAME/KEY: allele
; LOCATION: 15241
; OTHER INFORMATION: 17-41-250 : polymorphic base C or T
; NAME/KEY: allele
; LOCATION: 42218
; OTHER INFORMATION: 20-841-149 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 45442
; OTHER INFORMATION: 20-842-115 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 77058
; OTHER INFORMATION: 20-853-415 : polymorphic base C or T
; NAME/KEY: primer_bind
; LOCATION: 929..949
; OTHER INFORMATION: 20-828.pu
; NAME/KEY: primer_bind
; LOCATION: 1357..1377
; OTHER INFORMATION: 20-828.rp complement
; NAME/KEY: primer_bind
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; OTHER INFORMATION: 17-42.pu
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; LOCATION: 12581..12603
; OTHER INFORMATION: 17-42.rp complement
; NAME/KEY: primer_bind
; LOCATION: 14992..15012
; OTHER INFORMATION: 17-41.pu
; NAME/KEY: primer_bind
; LOCATION: 15460..15482
; OTHER INFORMATION: 17-41.rp complement
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; LOCATION: 42070..42090
; OTHER INFORMATION: 20-841.pu
; NAME/KEY: primer_bind
; LOCATION: 42572..42591
; OTHER INFORMATION: 20-841.rp complement
; NAME/KEY: primer_bind
; LOCATION: 45328..45347
; OTHER INFORMATION: 20-842.pu
; NAME/KEY: primer_bind
; LOCATION: 45863..45883
; OTHER INFORMATION: 20-842.rp complement
; NAME/KEY: primer_bind
; LOCATION: 76644..76664
; OTHER INFORMATION: 20-853.pu
; NAME/KEY: primer_bind
; LOCATION: 77166..77185
; OTHER INFORMATION: 20-853.rp complement
; NAME/KEY: primer_bind
; LOCATION: 1220..1238
; OTHER INFORMATION: 20-828-311.mis
; NAME/KEY: primer_bind
; LOCATION: 1240..1258
; OTHER INFORMATION: 20-828-311.mis complement
; NAME/KEY: primer_bind
; LOCATION: 12328..12346
; OTHER INFORMATION: 17-42-319.mis
; NAME/KEY: primer_bind
; LOCATION: 12348..12366
; OTHER INFORMATION: 17-42-319.mis complement
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; LOCATION: 15222..15240

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; OTHER INFORMATION: 17-41-250.mis
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; LOCATION: 15242..15260
; OTHER INFORMATION: 17-41-250.mis complement
; NAME/KEY: primer_bind
; LOCATION: 42199..42217
; OTHER INFORMATION: 20-841-149.mis
; NAME/KEY: primer_bind
; LOCATION: 42219..42237
; OTHER INFORMATION: 20-841-149.mis complement
; NAME/KEY: primer_bind
; LOCATION: 45423..45441
; OTHER INFORMATION: 20-842-115.mis
; NAME/KEY: primer_bind
; LOCATION: 45443..45461
; OTHER INFORMATION: 20-842-115.mis complement
; NAME/KEY: primer_bind
; LOCATION: 77039..77057
; OTHER INFORMATION: 20-853-415.mis
; NAME/KEY: primer_bind
; LOCATION: 77059..77077
; OTHER INFORMATION: 20-853-415.mis complement
; NAME/KEY: misc_binding
; LOCATION: 1227..1251
; OTHER INFORMATION: 20-828-311.probe
; NAME/KEY: misc_binding
; LOCATION: 12335..12359
; OTHER INFORMATION: 17-42-319.probe
; NAME/KEY: misc_binding
; LOCATION: 15229..15253
; OTHER INFORMATION: 17-41-250.probe
; NAME/KEY: misc_binding
; LOCATION: 42205..42230
; OTHER INFORMATION: 20-841-149.probe
; NAME/KEY: misc_binding
; LOCATION: 45430..45454
; OTHER INFORMATION: 20-842-115.probe
; NAME/KEY: misc_binding
; LOCATION: 77046..77070
; OTHER INFORMATION: 20-853-415.probe
; IS-09-750-580-1

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Query Match	3.4%;	Score 187.6;	DB 4;	Length 81001;
Best Local Similarity	71.1%;	Pred. No. 5.6e-35;		
Matches 263;	Conservative 0;	Mismatches 104;	Indels 3;	Gaps 1;
Qy	5084	TCATCATATTTAAATTTAAATTTCTAAGAAGAGCGCTGGTGCAGTGGCTCACACTTTAA	5143	
Db	65068	TTACCTCTGATTTTACAAATAAGAAATTTGTGTGGCCAGGTCAGTGGCTACGCGCTGAA	65009	
Qy	5144	TCCAGCACCTTTGGGAAGCCAGGACGAAGACTGCTTTGAAACACGAGGAGTTTGAGACCAG	5203	
Db	65008	TCCAGCACCTTTGGGAGGCCAAGGTGGGTGGATCACCTGAGGTCAGGAGTTCGAGACCAG	64949	
Qy	5204	CCTGAGCAACAAAGCAAGACCCCATCTCTATAAAACTAABAAAATTAGTTGGGCATGGT	5263	
Db	64948	CTTGCCCAACATGGTGAACACCCCGTCTCTATTAAATAAATAAATAATGACCGGCATGTT	64889	
Qy	5264	GGCACAATCCCTGTAGTCCCACTACTCCAGAGGCTGAG---ATTGGATCATCTGAGCCTCA	5320	
Db	64888	GGCAGGACCTGTATCTCCAGCTACTCAGGAGGCTGAGGAGGAGAGATCACTTTGAACCCG	64829	
Qy	5321	GGAGTTTGAGCTGCAGTGAAGCTGTGACTGCGCCACTGCACCTCCAGTCTGGGACAACAGA	5380	
Db	64828	GGAGCGGAGGTTTGCAGTGAAGCTGAGATTGCGCCACTGCACCTCCAGCTTGAGGGACAAGA	64769	
Qy	5381	GCAAGACCTCTCTTAAAAAAGAAAAAATTTTTTTTTCTTAAGAAAGCTCTCTCTA	5440	
Db	64768	GCAGACTCTGTATCAAAAAAAGAAAAAATAAATAAATAAGGAACACTGTGCTCAG	64709	
Qy	5441	CAAAGTTGAG	5450	
Db	64708	AGAAGTTAAG	64699	

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; NAME/KEY: misc_feature
; LOCATION: (1)...(176373)
; OTHER INFORMATION: n = A,T,C or G
US-09-128-155-17

Query Match      3.4%; Score 185.6; DB 3; Length 176373;
Best Local Similarity 68.3%; Pred. No. 2.5e-34;
Matches 302; Conservative 0; Mismatches 134; Indels 6; Gaps 3;

QY 5081 CATTTCATCAATAATTTAAATTTCTAAGAAGAGGCTGGGTGAGTGGCTGCACACCTT 5140
DB 115379 CATACTAGTTTGTTCACCTTAAATAGTTATTATTGAGCCAGGACCGCTGGCTCAGCCTA 115320

QY 5141 TAATCCCGACACTTTGGGAAGCCAAAGCAGGAAAGACTGCTTGAACCCAGGAGTTTGAGAC 5200
DB 115319 TAATCCCAACACTTTGGGAAGCCAGGAGGAGGAGCTGCTTGAAGCCAGGAGTTTGAGAC 115260

QY 5201 CAGCTGAGCAACAAAGCAAGACCCCATCTCTATAAAACTTAAATAAATTTAGTTGGGCT 5260
DB 115259 CAGCTG-GTAACTAGTGAACCCCATCTCTATAAAACTTAAATAAATTTAGTTGGGCT 115201

QY 5261 GGTGGCAGCTGCTGTAGTCCAGCTACTCCAGAGCT---GAGATGGATCATCTGAGC 5316
DB 115200 GGTGGTGTGTGCTGTGACCCAGCTACTCATGAGGCTAAGGAGGAGAAAGCTTGAGC 115141

QY 5317 CTCAGGAGTTGAGGCTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 5376
DB 115140 CTCAGGAGTTGAGGCTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 115082

QY 5377 CAGAGCAAGACCTGTCTTAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATA 5436
DB 115081 CAGAGCAAGACCTGTCTTAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATA 115022

QY 5437 CCTACAAAGTTGAGCTTTGTTAGTTTTCATGTGTGTAATATATATATATATATATATATAT 5496
DB 115021 GATTACAGTTTATATTTGTTGTTTCTTCTGTTGTTTCTTCTGTTGTTTCTTCTGTTGTT 114962

QY 5497 GATATAAATAATGCTTTTATAT 5518
DB 114961 CTCACAAATAATGCTTTTATCT 114940

RESULT 4
US-09-813-817-3
; Sequence 3, Application US/09813817
; Patent No. 6340583
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001178
; CURRENT APPLICATION NUMBER: US/09/813,817
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 59065
; TYPE: DNA
; ORGANISM: Human
US-09-813-817-3

Query Match      3.2%; Score 179; DB 4; Length 59065;
Best Local Similarity 74.3%; Pred. No. 5.8e-33;
Matches 240; Conservative 0; Mismatches 80; Indels 3; Gaps 1;

QY 5097 AAAATTAATTTCTAAGAAGAGGCTGGGTGAGTGGCTGCACACCTTTAATCCAGCATTG 5156
DB 32283 ACAATTAATCTCTACTGAGGCCAGGATAGTGGCTGCACACCTGTATATCCAGCATTG 32342

QY 5157 GGAAGCCAGGAGGAGAGCTGTTGAAACCCAGAGTTTGAGACCGCTGAGCAACAA 5216
DB 32343 GGAGCCAGGAGGAGGAGGATCACTTTGAGTGGGAGTTGAGACCGCTGAGCAACATG 32402

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RESULT 2
US-09-817-180-3
; Sequence 3, Application US/09817180
; Patent No. 6340584
; GENERAL INFORMATION:
; APPLICANT: GAN, Weiniu et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001183
; CURRENT APPLICATION NUMBER: US/09/817,180
; CURRENT FILING DATE: 2001-03-27
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 15297
; TYPE: DNA
; ORGANISM: Human
US-09-817-180-3

Query Match      3.4%; Score 185.6; DB 4; Length 15297;
Best Local Similarity 75.0%; Pred. No. 7.4e-35;
Matches 246; Conservative 0; Mismatches 79; Indels 3; Gaps 1;

QY 5092 ATTATAAATAATTTCTAAGAAGAGGCTGGGTGAGTGGCTGCACACCTTTAATCCAGCA 5151
DB 11802 ATCTGTACAAAAAATACAAAAATAGACTGGGACCGTGGCTCACACCTGTATCCAGCA 11861

QY 5152 CTTTGGGAAGCCAGGAGGAGACTGTTGAAACAGAGTTTGAGACCGCTGAGCA 5211
DB 11862 CTTTGGGAGCCAGGAGGAGTGCATCCTGTGTTGAGAGTTTGAGACCGGAGCA 11921

QY 5212 ACAAAGCAAGCCAGGAGGAGACTGTTGAAACAGAGTTTGAGACCGCTGAGCA 5271
DB 11922 ACATGTGAAACCCCATCTCTATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATA 11981

QY 5272 CCTGTAGTCCAGCTACTCCAGAGGCTGAGATG--GATCATCTGAGCTCAGGAGTTG 5328
DB 11982 CCTGTATCCAGCTACTTGGGAGGCTGAGTGGGAGAAATGTTGAACCCAGGAGGCGG 12041

QY 5329 AGGTGAGTGCAGTGTGACTGCGCCAGTGCCTCCAGTCTGGGACCAACAGAGCAAGACC 5388
DB 12042 AGGTGAGTGCAGTGTGACTGCGCCAGTGTGCGCACTGCATCCAGCTGGGCGACAGAGTGA 12101

QY 5389 CTGTTCTTAAAAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 5416
DB 12102 CCACTCAAAAAAACCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 12129

RESULT 3
US-09-128-155-17/c
; Sequence 17, Application US/09128155
; Patent No. 6117654
; GENERAL INFORMATION:
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: 09404/052001
; CURRENT APPLICATION NUMBER: US/09/128,155
; CURRENT FILING DATE: 1998-08-03
; EARLIER APPLICATION NUMBER: US 60/091,650
; EARLIER FILING DATE: 1998-07-02
; EARLIER APPLICATION NUMBER: US 60/054,646
; EARLIER FILING DATE: 1997-08-04
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 176373
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:

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Qy	5217	GCAGACCCCATCTCTATAAAAAATAAAAAATAGTTGGGCATGTTGGCAATGCCTGT	5276
Db	32403	GGGAAACCCCGTCTCTTACTAAAAATAGAAAAAATTAGCCGGTGTGTTGGCATGCGCCAGT	32462
Qy	5277	AGTCCACGTACTCCAGAGGCTGAGATGG---ATCATCTGAGCCTTCAGAGGTTTGAGGCT	5333
Db	32463	AATCCAGCTACTTCAGGAGGCTGAGTGGGAAAATCACTTCTGAACTCCGGAGCAGAGGTT	32522
Qy	5334	CGAGTGAGTGTGACTCGCGCCACTGCATCTCCAGCTTGGGACAAAGAGCAGACCCCTGTC	5393
Db	32523	CGAGTGACCCGAGATTGTGCCACTGCACTCCAGCCTGGGCGATAAGAGCAAAATTCATC	32582
Qy	5394	TTAAAAAAGAAAAAGAAAAA	5416
Db	32583	TCAAAAAAGAAAAAGAAAAAGAA	32605

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RESULT 5
US-09-978-197-3
; Sequence 3, Application US/09978197
; Patent No. 6403353
; GENERAL INFORMATION:
; APPLICANT: YAN Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001178DIV
; CURRENT APPLICATION NUMBER: US/09/978,197
; CURRENT FILING DATE: 2001-10-17
; PRIOR APPLICATION NUMBER: 09/813,817
; PRIOR FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 59065
; TYPE: DNA
; ORGANISM: Human
US-09-978-197-3

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RESULT 6  
US-09-341-587-8/c  
; Sequence 8, Application US/09341587  
; Patent No. 6346606

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; GENERAL INFORMATION:
; APPLICANT: Mollenhauer, Jan
; TITLE OF INVENTION: Protein Containing an SRCR Domain
; FILE REFERENCE: 4121-108
; CURRENT APPLICATION NUMBER: US/09/341.587
; CURRENT FILING DATE: 1999-08-31
; EARLIER APPLICATION NUMBER: PCT/DE98/00096
; EARLIER FILING DATE: 1998-01-09
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 3166
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-341-587-8

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RESULT 7
US-09-750-580-1
/ Sequence 1, Application US/09750580
/ Patent No. 6455280
/ GENERAL INFORMATION:
/ APPLICANT: Yen, Frances
/ APPLICANT: Denison, Blake
/ APPLICANT: Bour, Barbara
/ APPLICANT: Bihain, Bernard
/ APPLICANT: Dumas Milne Edwards, Jean
/ APPLICANT: Duclert, Aymeric
/ APPLICANT: Bougueleret, Lydie
/ APPLICANT: Ebets-Reed, Dana
/ APPLICANT: Salter-Cidd, Lulsa
/ TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE TREATMENT OF
/ FILE REFERENCE: 89.US2.CIP
/ CURRENT APPLICATION NUMBER: US/09/750-580-1
/ CURRENT FILING DATE: 2000-12-28
/ PRIOR APPLICATION NUMBER: US 09/595,280
/ PRIOR FILING DATE: 2000-06-21
/ PRIOR APPLICATION NUMBER: PCT/IB00/000,000
/ PRIOR FILING DATE: 2000-06-21
/ PRIOR APPLICATION NUMBER: PCT/IB99/000,000
/ PRIOR FILING DATE: 1999-12-20
/ PRIOR APPLICATION NUMBER: US 49/460,000
/ PRIOR FILING DATE: 1999-12-21
/ PRIOR APPLICATION NUMBER: US 60/111,111
/ PRIOR FILING DATE: 1998-12-22

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[illegible]

RESULT 8  
US-08-480-784-20/c  
; Sequence 20, Application US/08480784  
; Patent No. 5693473  
; GENERAL INFORMATION:  
; APPLICANT: Skolnick, Mark H.  
; APPLICANT: Goldgar, David E.  
; APPLICANT: Miki, Yoshio  
; APPLICANT: Swenson, Jeff  
; APPLICANT: Kamb, Alexander  
; APPLICANT: Harshman, Keith D.  
; APPLICANT: Shattuck-Eidens, Donna M.  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Wiseman, Roger W.  
; APPLICANT: Fureal, P. Andrew  
; TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer  
; TITLE OF INVENTION: Susceptibility Gene  
; NUMBER OF SEQUENCES: 85  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP  
; STREET: 1201 New York Avenue, N.W., Suite 1000  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20005  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/480,784  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/409,305  
; FILING DATE: 24-MAR-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/348,824  
; FILING DATE: 29-NOV-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/308,104  
; FILING DATE: 16-SEP-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/300,266  
; FILING DATE: 02-SEP-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/289,221  
; FILING DATE: 12-AUG-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ihnen, Jeffrey L.  
; REGISTRATION NUMBER: 28,957  
; REFERENCE/DOCKET NUMBER: 24884-109347

TELECOMMUNICATION INFORMATION:					
:	TELEPHONE:	202-962-4810			
:	TELEFAX:	202-962-8300			
:	INFORMATION FOR SEQ ID NO:	20:			
:	SEQUENCE CHARACTERISTICS:				
:	LENGTH:	6769 base pairs			
:	TYPE:	nucleic acid			
:	STRANDEDNESS:	double			
:	TOPOLOGY:	linear			
:	MOLECULE TYPE:	DNA (genomic)			
:	HYPOTHETICAL:	NO			
:	ANTI-SENSE:	NO			
:	ORIGINAL SOURCE:				
:	ORGANISM:	Homo sapiens			
:					
:	US-08-480-784-20				
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			Best Local Similarity	75.9%;	Pred. No. 9.4e-33;
			Matches 245; Conservative	0;	Mismatches 73; Indels 5; Gaps 2;
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Db	6559	AATTTAAAGTAAAGGCGAGGCCAGCAGTGGCTCAAGCCCTGTAACTGCAGCACTTTGG	6500		
Qy	5158	GAAGCCAAGCGCAGGAAGACTGCTTGA AAC CAGGAGT TTTGAGACCAGCCTGAGCACA AAG	5217		
Db	6499	GAGGCTGAAGTGGCGAGACTGCTTGAGTCCAGGAGTTTTGAGACCAGCCTCGGTAA CATGG	6440		
Qy	5218	C AAGACCCC ATCTCTATAAAAA ACTTAAA AAAAT TAGTTGGGCATGGTGGCACATGCCTGTA	5277		
Db	6439	TGAAACCCCATCTCTATAAA ACCACAAA AAATTTAAC CGGGTGTGGTGGCATGCGCCTGTA	6380		
Qy	5278	GTCCCCAGCTACTCCAGAGCTGA ---- GATGATCATCTGAGCCTCAGGAGGT TGAGGCT	5333		
Db	6379	GTCCCCAGCTACTCAGGAGGCTGAAGTGGGAGGATAGCTTGAGCCTTTTGAGGT TGAGGTT	6320		
Qy	5334	GCAGTGAGCTGTGACTTGC GC CCACTGTCAC TCCAGTCTTGGGACCAACAGAGCAAGAC CCTGTC	5393		
Db	6319	GCAGTGAGCCAGATGTCATCTGCACTCCAGCTCGGG -CAACAGAGTGTGAGACCCCATC	6261		
Qy	5394	TTAAAAAAAAAAAAAAAAAAAA	5416		
Db	6260	TCAAAAAAAAAACAAACAAA	6238		

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RESULT 9
; Sequence 20, Application US/08483553
; Patent No. 5709999
; GENERAL INFORMATION:
; APPLICANT: Skolnick, Mark H.
; APPLICANT: Goldgar, David E.
; APPLICANT: Miki, Yoshio
; APPLICANT: Swenson, Jeff
; APPLICANT: Kamb, Alexander
; APPLICANT: Harshman, Keith D.
; APPLICANT: Shattuck-Eidens, Donna M.
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Wiseman, Roger W.
; APPLICANT: Futreal, P. Andrew
; TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer
; TITLE OF INVENTION: Susceptibility Gene
; NUMBER OF SEQUENCES: 85
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, N.W., Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 24-MAR-1995
; FILING DATE: 24-MAR-1995
; CLASSIFICATION: 435
; APPLICATION NUMBER: US 08/409,305
; FILING DATE: 24-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/348,824
; FILING DATE: 29-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/308,104
; FILING DATE: 16-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/300,266
; FILING DATE: 02-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/289,221
; FILING DATE: 12-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24884-109347
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6769 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; US-08-483-553-20

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Query Match
Best Local Similarity 75.9%; Pred. No. 9.4e-33; Length 6769;
Matches 245; Conservative 0; Mismatches 73; Indels 5; Gaps 2;

QY 5098 AATTAAATTTCTAAGAGAGGCTGGGTGAGTGGCTTCAACCTTTTAAATCCAGCACTTTGG 5157
Db 6559 AATTAAAGTAAAGGCGCAGGACAGTGGCTCAAGCTGTAACTGCAGCACTTTGG 6500

QY 5158 GAAGCAAGGCGAGAGAGTCTTCAAAACAGGAGTTTGAGACAGGCTGAGCAACAAAG 5217
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QY 5218 CAAGACCCCACTCTATATAAACTATAAAATTTAGTTGGCATGGTGGCACATGCTGTGA 5277
Db 6439 TGAACACCCCACTCTATATAAAACCAAAATTTAAACCGGTGTGGTGGCATGCTGTGA 6380

QY 5278 GTCCAGGCTACTCCAGAGGCTGA---GATGGATCTCTAGGCTCAGGAGGTGAGGCT 5333
Db 6379 GTCCAGGCTACTCAGGAGGCTGAAGTGGGAGTAGTCTTGAAGCTTTGAGGAGTGGAGTT 6320

QY 5334 CAGGTGAGCTGTGACTGCGCCACTGCACCTCCAGTCTGGGACAAACAGAGCAAGACCTGTC 5393
Db 6319 CAGGTGAGCCCAAGATTGTCATCACTGCACTCCAGCTGGG-CAACAGATGAGACCCCATC 6261

QY 5394 TTAATAAAAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 5416
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RESULT 10
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; Sequence 20, Application US/08487002

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; Patent No. 5710001
; GENERAL INFORMATION:
; APPLICANT: Shattuck-Eidens, Donna M.
; APPLICANT: Simard, Jacques
; APPLICANT: Emi, Mitsuru
; APPLICANT: Nakamura, Yusuke
; APPLICANT: Durocher, Francine
; TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer
; NUMBER OF SEQUENCES: 85
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
; STREET: 1201 New York Avenue, N.W., Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 08/487,002
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/409,305
; FILING DATE: 24-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/348,824
; FILING DATE: 29-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/308,104
; FILING DATE: 16-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/300,266
; FILING DATE: 02-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/289,221
; FILING DATE: 12-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24884-109347
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6769 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; US-08-487-002-20

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Query Match
Best Local Similarity 75.9%; Pred. No. 9.4e-33; Length 6769;
Matches 245; Conservative 0; Mismatches 73; Indels 5; Gaps 2;

QY 5098 AATTAAATTTCTAAGAGAGGCTGGGTGAGTGGCTTCAACCTTTTAAATCCAGCACTTTGG 5157
Db 6559 AATTAAAGTAAAGGCGCAGGACAGTGGCTCAAGCTGTAACTGCAGCACTTTGG 6500

QY 5158 GAAGCAAGGCGAGAGAGTCTTGAACAGGAGTTTGAGACAGGCTGAGCAACAAAG 5217
Db 6499 GAGGCTGAAGTGGGCGAGACTGCTTGAAGTCCAGGAGTTTGAGACAGGCTCGGTAACATGG 6440

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Thu Jun 12 14:34:03 2003

QY 5218 CAAGACCCCATCTCTATATAAACTAAAAAATTAGTTGGGCATCGGTGGGCATCGCCTGTA 5277  
Db 6439 TGAACCCCATCTCTATATAAACCAAAAAAATTAACCGGTGTGGTGGCATGGCCTGTA 6380  
QY 5278 GTCCAGCTACTCCAGAGCTGA----GATGATCATCTGAGCCTCAGGAGGTTGAGGCT 5333  
Db 6379 GTCCAGCTACTCAGGAGCTGAAGTGGGAGGATAGCTTGAAGCTTTGGAGTGGAGTT 6320  
QY 5334 GCAGTGAGTGTGACTGCGCCCACTGCTCCAGTCTGGGCAACAGAGCAAGACCTGTC 5393  
Db 6319 GCAGTGAGCAAGATTGCTACTGCTGCTCCAGCTGGG-CAACAGAGTGAGACCCCATC 6261  
QY 5394 TTAACAAAAAAGAAAAA 5416  
Db 6260 TCAACAAAAAACAACAAACAAA 6238

RESULT 11  
US-08-483-554B-20/c  
; Sequence 20, Application US/08483554B  
; Patent No. 5747282  
; GENERAL INFORMATION:  
; APPLICANT: Skolnick, Mark H.  
; APPLICANT: Goldgar, David E.  
; APPLICANT: Miki, Yoshio  
; APPLICANT: Swenson, Jeff  
; APPLICANT: Kamb, Alexander  
; APPLICANT: Harshman, Keith D.  
; APPLICANT: Shattuck-Bidens, Donna M.  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Wiseman, Roger W.  
; APPLICANT: Futreal, P. Andrew  
; TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer  
; TITLE OF INVENTION: Susceptibility Gene  
; NUMBER OF SEQUENCES: 85  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP  
; STREET: 1201 New York Avenue, N.W., Suite 1000  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20005

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/483,554B  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/409,305  
FILING DATE: 24-MAR-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/348,824  
FILING DATE: 29-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/308,104  
FILING DATE: 16-SEP-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/300,266  
FILING DATE: 02-SEP-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/289,221  
FILING DATE: 12-AUG-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Ihnen, Jeffrey L.  
REGISTRATION NUMBER: 28,957  
REFERENCE/DOCKET NUMBER: 24884-109347  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-962-4810  
TELEFAX: 202-962-8300

INFORMATION FOR SEQ ID NO: 20:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 6769 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens  
US-08-483-554B-20  
Query Match 3.2%; Score 176.2; DB 1; Length 6769;  
Best Local Similarity 75.9%; Pred. No. 9.4e-33;  
Matches 245; Conservative 0; Mismatches 73; Indels 5; Gaps 2;  
QY 5098 AATTAATTTCTAAGAGAGGCTGGTGCAGTGGCTCACACCTTTAATCCAGCACTTTGG 5157  
Db 6559 AATTAATAAGTAAAGGGCAGGCCAGGCACAGTGGCTCAAGCTGTAACTGAGCACTTTGG 6500  
QY 5158 GAAGCAAGGCGAGGAAGACTGCTTTGAAACCAAGGAGTTTGAGACCGCCTGAGCAACAAAG 5217  
Db 6499 GAGGCTGAAGTGGCGAGACTGCTTTGAGTCCAGGAGTTTGAGACCGCCTCGGTAACATGG 6440  
QY 5218 CAAGACCCCATCTCTATATAAACTAAAAAATTAGTTGGGCATCGGTGGGCATCGCCTGTA 5277  
Db 6439 TGAACCCCATCTCTATATAAACCAAAAAAATTAACCGGTGTGGTGGCATGGCCTGTA 6380  
QY 5278 GTCCAGCTACTCCAGAGCTGA----GATGATCATCTGAGCCTCAGGAGGTTGAGGCT 5333  
Db 6379 GTCCAGCTACTCAGAGGCTGAAGTGGGAGGATAGCTTGAAGCTTTGGAGTGGAGTT 6320  
QY 5334 GCAGTGAGTGTGACTGCGCCCACTGCTCCAGTCTGGGCAACAGAGCAAGACCTGTC 5393  
Db 6319 GCAGTGAGCAAGATTGCTACTGCTGCTCCAGCTGGG-CAACAGAGTGAGACCCCATC 6261  
QY 5394 TTAACAAAAAAGAAAAA 5416  
Db 6260 TCAACAAAAAACAACAAACAAA 6238

RESULT 12  
US-08-488-011B-20/c  
; Sequence 20, Application US/08488011B  
; Patent No. 5753441  
; GENERAL INFORMATION:  
; APPLICANT: Skolnick, Mark H.  
; APPLICANT: Goldgar, David E.  
; APPLICANT: Miki, Yoshio  
; APPLICANT: Swenson, Jeff  
; APPLICANT: Kamb, Alexander  
; APPLICANT: Harshman, Keith D.  
; APPLICANT: Shattuck-Bidens, Donna M.  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Wiseman, Roger W.  
; APPLICANT: Futreal, P. Andrew  
; TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer  
; TITLE OF INVENTION: Susceptibility Gene  
; NUMBER OF SEQUENCES: 85  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP  
; STREET: 1201 New York Avenue, N.W., Suite 1000  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:







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1  FILING DATE:
2  CLASSIFICATION:
3  PRIOR APPLICATION DATA:
4  APPLICATION NUMBER: US
5  FILING DATE: 07-JUN-1995
6  PRIOR APPLICATION DATA:
7  APPLICATION NUMBER: US 08/409,305
8  FILING DATE: 24-MAR-1995
9  PRIOR APPLICATION DATA:
10 APPLICATION NUMBER: US 08/348,824
11 FILING DATE: 29-NOV-1994
12 PRIOR APPLICATION DATA:
13 APPLICATION NUMBER: US 08-308,104
14 FILING DATE: 16-SEP-1994
15 PRIOR APPLICATION DATA:
16 APPLICATION NUMBER: US 08/300,266
17 FILING DATE: 02-SEP-1994
18 PRIOR APPLICATION DATA:
19 APPLICATION NUMBER: US 08/289,221
20 FILING DATE: 13-AUG-1994
21 ATTORNEY/AGENT INFORMATION:
22 NAME: Ihnen, Jeffrey L.
23 REGISTRATION NUMBER: 28,957
24 REFERENCE/DOCKET NUMBER: 24884-109347
25 TELECOMMUNICATION INFORMATION:
26 TELEPHONE: 202-962-4810
27 TELEFAX: 202-962-8300
28 INFORMATION FOR SEQ ID NO: 20:
29 SEQUENCE CHARACTERISTICS:
30 LENGTH: 6769 base pairs
31 TYPE: nucleic acid
32 STRANDEDNESS: double
33 TOPOLOGY: linear
34 MOLECULE TYPE: DNA (genomic)
35 HYPOTHETICAL: NO
36 ANTI-SENSE: NO
37 ORIGINAL SOURCE:
38 ORGANISM: Homo sapiens
39 PCT-US95-10203-20

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Query Match	3.2k	Score	176.2	DB 5	Length	6769			
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QY	5158	GAAAGCCAAAGGCAGGAAGACTGCTTTGAAACCAGAGGTTTGAGACCAAGCTGAGCAACAAG	5217						
Db	6499	GAGGCTGAAGTGGCAGACTGCTTGAGTCCAGAGTTTGAGACCAAGCTTCGGTAAACATGG	6440						
QY	5218	CAAGACCCCATCTCTATAAAAACTAAAAAAATTAAGTTGGGCATGTGTGCACATCCCTGTA	5277						
Db	6439	TGAACCCCATCTCTATAAACACACAAAAATTAACCGGTTGTGGTCATGCGCCTGTA	6380						
QY	5278	GTCCAGACTACTCCAGAGGCTGA----GATGGATCATCTGAGCCTCAGAGGTTGAGCCT	5333						
Db	6379	GTCCAGACTACTCAGGAGGCTGAAGTGGGAGGATAGCTTTGAGCCTTTGGAGGTGGAGTT	6320						
QY	5334	CGAGTGAAGCTGTGACTCGGCCCATCTGCACCTCCAGCTCTGGGACAAACAGAGCAAGACCCCTGTC	5393						
Db	6319	CGAGTGAAGCAAGATTGCATCACTGACCTCCAGCTGGG--CAACAGATGTGAGACCCCATC	6261						
QY	5394	TTAAAAAAGGAAAAAAGAAAAA	5416						
Db	6260	TCAAAAAAGGAAAAAAGAAAAA	6238						

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Job time : 286 secs

